

Fig. 1

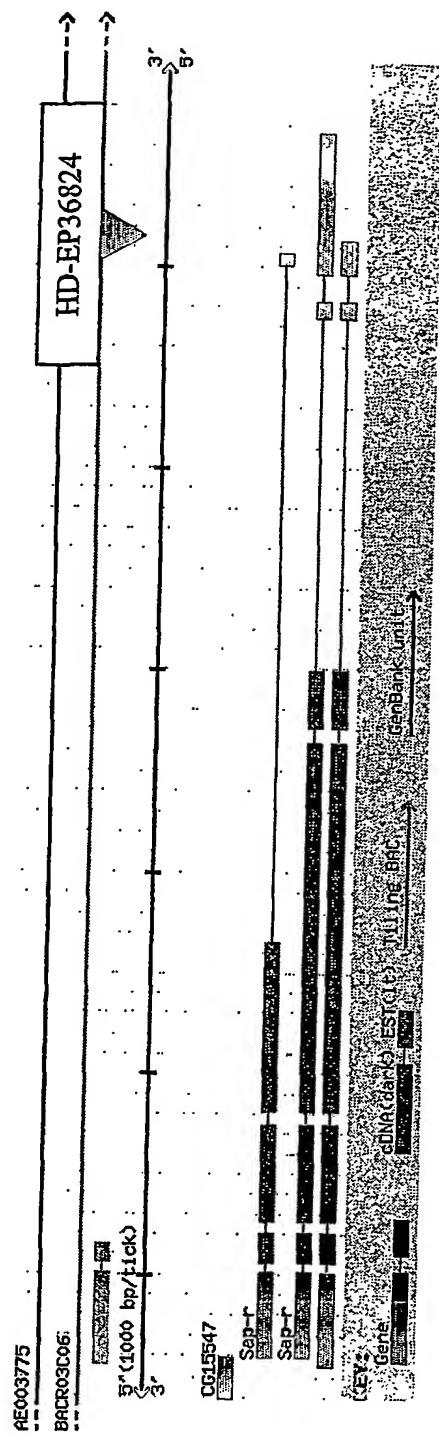


Fig. 2

Fig. 3

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 61 ccagcctcctt gggcgccgt cttagccggcc cggtccttgg actgaaaagaa tgcaccagg
 121 gctcgccagt gtgggtccag aatgtgaaga cggcgccca ctgcggggca gtgaaggact
 181 gcctgcagac cgtttggAAC aagccaaacAG tgaaatccCT tccctgcAC atatgcAAAG
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 301 tttaacttggA gaagacACTgt gactggCTTC cggAAACGGAA catgtctGT tcATGCAAGG
 361 agatagtggA ctcctacCTC cctgtcatCC tggacatCAT taaaggAGAA atgagCCGTC
 421 ctggggaggt gtgtctGTCTC ctcaacCTCTC gcgagtCTCT ccagaAGCAC ctAGCAGAGC
 481 tgaatcacca gaagcAGCTG gagtccaATA agatcccAGA gctggACATG actgaggTTG
 541 tggccccCTT catggccAAAC atccCTCTCC tcctctACCC tcaggacGGC cccCGCAGCA
 601 agccccAGCC aaaggataat ggggacgttt gccaggACTG cattcAGATG gtgactgaca
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 1441 aggtgatggA tccttcCTTC gtgtgCTtGA aaattggAGC ctgcCcCTCG gcccataAGC
 1501 ctttggTggG aactgAGAAG tgcACATggG gcccAAgCTA ctggTggCCAG aacacAGAGA
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 1741 tctgtgtcCT ttattgtAGC attgtgtCTC gcaaggGGAGC ccctAGCCCC tagccccCTGG
 1801 cagACATAGC tgcTTcAGTG cccCTTTCT ctctgtAGA tggatgttGA tgcactggAG
 1861 gtctttAGC ctggcCttGC atggcGCTG ctggaggAGG agagAGCTC gctggCATGA
 1921 gCcACAGTTT ctgcACTggA ggcACatCAAC cctttgggtT gaggcCTTGT tctgagCCt
 1981 gacatgtGCT tgggCActgg tgggCtggG cttctgAGGT ggcCcCCTGc cctgatCAGG
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 2341 ctccgAAAGCC ctgcgggCCT ggCTTGTGT AGCgtGTgA cAGTggTggC CGCgCTGTGc
 2401 ctgctcgtGT tgCCTACATG tccCTGGCTG ttgaggCgt gCttCAGCCT gCACCCCTCC
 2461 ctgtctcat agatgtcCTT tttgacCTTT tcaAAATAAT atggatggcG agctcCTAGG
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 2581 ctgggggtGT gggggTTggA agctgtCTGT ggcccACTG ggcACCCACG ctTCTGTCCA
 2641 ctctgttGtG ccaggAGACA gcaAGAAAG CCAGCAGGAC atgaAGTTGc tattAAATGG
 2701 acttcgtgtat ttTgtTTTg cactAAAGTT tctgtgattt aacaataAAA ttctgttagc
 2761 cccccCG

Fig. 3A

1 MYALFLLASL LGAALAGPVL GLKECTRGS A VWCQNVKTAS DCGAVKHCLQ TVWNKPTIVKS
 61 LPCDICKDVV TAAGDMLKDN ATEEELVYL EKTC DWLPKP NMSASC EIV DSYLPVILDI
 121 IKGEMSRPGE VCSALNLCES LQKHLAELNH QKQLESNKIP ELDMTEVVAP FMANIPLLLY
 181 PQDGPRSKPQ PKDNGDVCQD CIQMVTDIQT AVR TNSTFVQ ALVEHVKEEC DRLGPGMADI
 241 CKNYISQYSE IAIQM MMHQ PKEICALVGF CDEVKEMPMQ TLVPAKVASK NVIPALELVE
 301 PIKKHEVPAK SDVYCEVCEF LVKEVTKLID NNKTEKEILD AFDKMCSKLP KSLSEECQEV
 361 VDTYGSSILS ILLEEVSP EL VCSMLHLC SG TRLPALTVHV TQPKDGGFCE VCKKLVGYLD
 421 RNLEKNSTKQ EILA AALEKG C SFLPD PYQKQ CDQFVAEYEP VLIEILVEVM DPSFVCLKIG
 481 ACPSAHKPLL GTEKCIWGPS YWCQNTETAA QCNAVEHCKR HVWN

Fig. 3B

1 atggctgagt cacac ctgct gca gtc tggccc acgtggc tgcc acgt ctgtggcc
 61 ggcactgctg cctggaccac ctcatccttgc gcctgtgccc agggccctga gttctggc
 121 caaaggcctgg agcaaggcatttgc agcgtgcaga gccc tagggc attgcctaca ggaagtc
 181 ggacatgtgg gagccgatgaa cctatgcca gagtgtgagg acatcg tcca catc
 241 aagatggcca aggaggccat ttccaggac acgatgagga agttc
 301 aacgtctcc ccttgaagct gctcatgccc cagtgc acc aagtgc ttga cgactact
 361 cccctggta tcgactactt ccagaaccag attgactcaa acggcatctg tatgc
 421 ggcctgtca aatccccggca gccagagcca gaggcaggac cagggatgtc agac
 481 cccaaacctc tgccggacc tctgc
 541 ctgccccggg ccttccaggc gaggcctggg cctcac
 601 ttccccatttcc ctttcccttgc ttgc tggc tgcagg
 661 atgattccca agggtgcgt acgtgtggca gtggcccagg
 721 gtcggcggcg gcatctgcca gtgcctggct gaggc
 781 ctgctggcc gcatgtgc ccagctggc tgccgc
 841 gacagcgtg gccaagggtc gccgac
 901 ctctgcatgt ccgtgaccac ccaggccggg
 961 atgctccagg cctgtgttgc ctctggctg
 1021 cagcacacgc cccagctgct gaccctgg
 1081 caggccctcg gggtgtgtgg gaccatgtcc
 1141 ctttga

Fig. 3C

1 MAESHLLQWL LLLLPTLCGP GTAAWTSSL ACAQGPEFWC QSLEQALQCR ALGHCLQEWW
 61 GHVGADDLCQ ECEDIVHILN KMAKEAIFQD TMRKFLEQEC NVLPLKLLMP QCNQVLDDYF
 121 PLVIDYFQNQ IDSNGICMHL GLCKSRQPEP EQEPGMSPDPL PKPLRDPLPD PLLDKLVL
 181 LPGALQARPG PHTQDLSEQQ FPIPLPYCWL CRALIKRIQA MIPKGALRVA VAQVCRV
 241 VAGGICQCLA ERYSVILLDT LLGRMLPQLV CRLVLRCSMD DSAGPRSPTG EWLP
 301 LCMSVTTQAG NSSEQAIPQA MLQACVGWSL DREKCKQFVE QHTPQLLT
 361 QALGVCGTMS SPLQCIHSPD L

Fig. 3D

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1 ccatacatgc ttctggcagt gttcacacgc gttcacacgc ttggcgccct cctggctcct
61 gcaccagaag cttgggccc gggcacactg gtcgggtcccc agcagtgggg tcctggggcc
121 gtggcaggcc cccacccctt tgcacacacgc cacgggggcc atcatgtcct tgagactctc
181 aatgagcacg ggctcgtaact gggtagcgaat gtcgttgcac tggatcatat agggcagcgg
241 caggatgctg cagccaccct tgaaggccac caggatgtct cgcttgggtgc tcttgctctc
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361 ctccgcgtcc cactctgggg acggcacat ggcataaggca tcatggactg cccggggcccg
421 cctccgggttgc cCACACAGAC ggatgaactt gcacacccctc tctgggtga ttttggccac
481 aagctgcacc aaggaggggc tgcgttgc caccatgc atgcactcct tcgtgataga
541 ggcaggcatt accgacaca cgcgcgtccag ggcacatgggtg atcatgagct cagagctgtt
601 ggacatgagc cagtggtcca gcttgcac cacgttcatg cacacccatc aggtcacacc
661 ggccttcatc tgcacatcgc tctgttccat tggcaaccccc agtcccagggg aggggacccc
721 gtccatggcc actacttgag tcaaaccggc aggtgcacct agtccctc ac aaaaatcccc
781 cttcctgcag agtccctgcg gggggagaag ctcactgtct tggcagcag ggacaaaaaa
841 ctggaaagagg tagttctgc agaggacggc caggccaggc cccaaaggact cacactgctc
901 ctggatgttc aagtccggcc aagtcaagtt ggacccggaca gcttgcggat gtcgggagac
961 ctggcgatc aagtccggc acagagctcc ttcaggcgc tgggggggt ggaaggtaag
1021 gggcccatgg gccatgaacg gagccacacgc ctcaaaggatg tccctttgg agagtggcct
1081 cagggtggcc aggtgcctct gcagcggctc acagaggctg agcgtgtgc acacctgtgc
1141 cggggcaactg tccggggccc cacggagcat gtcaggatg gccaactgt gggcatccac
1201 catccacttgc catccggctg aagactcctg gctggggagc cactcacagg tcttcatcac
1261 caaagccagg atgtcagact ccgtggcgatc agggttcagc ccattgcag cggcggctgc
1321 tatgtcctgg catacgtcgc agggcagaga cttcgggtgt ggtttgc atacggggcc
1381 ttggcgttgc cccacagccc cgacacccatc agtgcgttgc agatcctgac accacaccgt
1441 ggagcccttgc acactcctt gggggcctga ggtggggctg gcccctggatg ccccccaggag
1501 gctggcagg aggacccatc c

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Fig. 3E

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1 ALLLLPSLLG ATRASPTSGP QECAKGSTVW CQDLQTAARC GAVGYCQGAV WNKPTAKSLP
61 CDVCQDIAAA AGNGLNPDAT ESDILALVMK TCEWLPSQES SAGCKWMVDA HSSAILSMR
121 GAPDSAPAQC CTALSLCEPL QRHLATLRPL SKEDTFEAVA PFMANGPLTF HPRQAPEGAL
181 CQDCVRQVSR LQEAVRSNLT LADLNIQEQC ESLGPGLAVL CKNYLFQFFV PADQALRLLP
241 PQELCRKGFF CEELGAPARL TQVVAMDGVLP SLELGLPRKQ SEMQMKAQVT CEVCMNVQK
301 LDHWLMSNSS ELMITHALER VCSVMPASIT KECIILVDTY SPSLVQLVAK ITPEKVCKFI
361 RLCGNRRRAR AVHDAYAIVP SPEWDAENQG SFCNGCKRLL TVSSHINLESK STKRDILVAF
421 KGGCSILPLP YMIQCKHFVT QYEPVLIESTL KDMMDPVAVC KKVGACHGPR TPOLLGTDQCA
481 LGPSFWCRSQ EAAKLCNAVQ HCQKHVW

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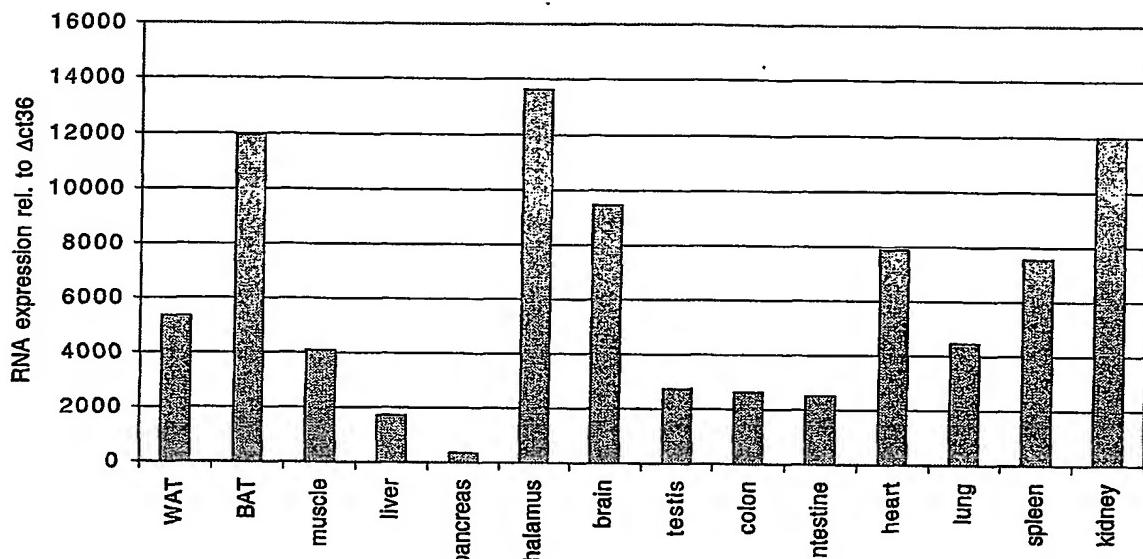
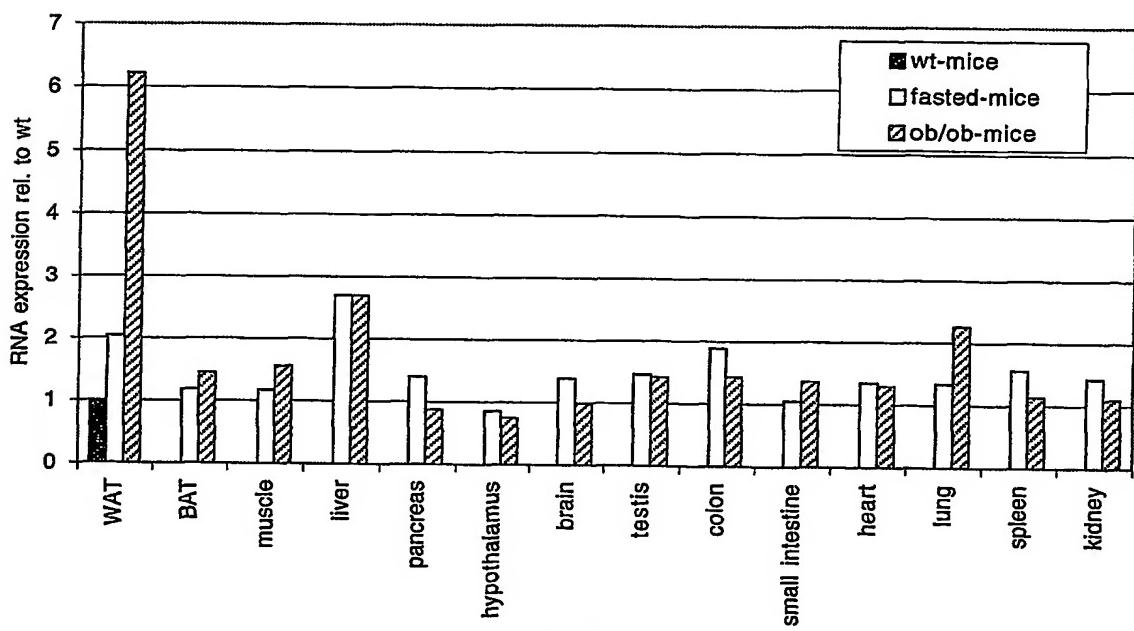
Fig. 3F

PSAP Hs	-----MYALFLLASLLGAALAGPVGLKECTRGSAVWCQNVKTASDCGAVKHCL
FLJ40379 Hs	-----ALLLPSL LGATRASP TSGP QECAKG STVWC QDLQTA ARCGA VGYCQ
SFTPB Hs	-----MAESHLLQWL LLLPTLC GPGTA AWTT S LACA QGPE FW CQS LEQ ALQC RAL GHCL
Sap-r Dm	MERAGLLA VLALCCA -----FGVFAA TPLL GSSK CTW GPSY WCGNF SNS KECR ATRH CI
PSAP Hs	QT VWNK -----PTV KSL PC DICK DV VTAA GDM LKD NATEEE ILV YLEK TCD WL PK PNM SASC
FLJ40379 Hs	GAVWNK -----PTA KSL PC DVC QDIA AAAGN GLNP DATE SDI LAL VMK TCE WL PSQ ESS AGC
SFTPB Hs	QE VWGH -----VG ADDL-C QE CED IVH ILNK MKA EAI F QDT MRK FLE QEC NVL PLK LL MPQC
Sap-r Dm	QT VWE TQ KV PV DTD SIC TICK DM VT QARD QLK SNQ TEEL KEV FEGS CLIP IK PI KEC
PSAP Hs	KEIV DSYLP VILD II KGEMS-RPGEVCSALNL CESL-----
FLJ40379 Hs	KWMV DAHSSA ILSMLRGAPDSAPA QVCT AL SLC EPL-----
SFTPB Hs	NQVLDDYFPLVIDYFQNQID--SNGICMHLGLCKSR-----
Sap-r Dm	IKVADD FLPEL VEAL ASQM N--PDQ VCS VAGL CNSAR IDELYKNGI QAGLDGTVQNE DDS
PSAP Hs	-----OKH LAEL NHQ KOLE SNKI PEL DMTE VVAP FMAN I PLL LY P QDG PR SKP Q
FLJ40379 Hs	-----QRH LAT-----LRPL SKED TFE AVAP FMANG PLT FHP RQAP-----
SFTPB Hs	-----QPE PEQ EP-----GM SDPLPKPL RDPLP DP PLL DKL VLP VLP GAL Q-----
Sap-r Dm	SEETEL AMQP NQLSCGN CNLLS RL MHS KFA AT DR DD MVET MLH MC GS LSS FSDAC ANIV L
PSAP Hs	PKD-----NGD
FLJ40379 Hs	-----+-----EGA
SFTPB Hs	-----
Sap-r Dm	TYFNDI YDHVSKH LT DAVCHVSGV CASRYHQHEEE KQP--QEA LVAL DAG-----DDI
PSAP Hs	VCQDCIQMVT DIO TA VRT N STF VQ ALV EHVK ECDRLG PG MADI CK NYI S QY SEIA IQ MM
FLJ40379 Hs	LCQDCVRQ VS RL QEA VR S NL TLAD---LNT QEQ C E SLG PG LAVL CK NYL FQFF VP ADQ AL
SFTPB Hs	-----AR PG PHT QDL S EQ QF PI PL P-----
Sap-r Dm	PCEL CEQ LVKHL RDVL VANT TET EFK--QVM EGFC KQSK GFK D ECL SIV DQ YYHV IY ET L
PSAP Hs	MHMQ-----PKEICALVGFCD-----EV KEMP MQTL
FLJ40379 Hs	RLLP-----PQEL CRK GGF CEE-----LGAPARLT QV
SFTPB Hs	-----
Sap-r Dm	VSKLD--ANG ACC MIG ICQ KNS AS--SMKD VPI M PLLPVIEPAQV KITIEK LEKHE KQ L
PSAP Hs	VPAK-VASKN VI PALE LVE PIK-----KHEVPA KSDV YCEV CEF LVKE VT KLID NNK TEKE
FLJ40379 Hs	VAMD-----GVPSLEL GLP RKQS-----EMQMKAGV TCEV CMNV VQ KLDH WL MS NS SEL M
SFTPB Hs	-----YCWL CR ALI KRI QAM I PKG-----A
Sap-r Dm	GASEPKFSQQE I LD MQL PID HLM GA AN PGAL VEGG E CTL CEYMLHFI QET LAT PSTD DE
PSAP Hs	I LD AFDKMC SKL PKSL SEE C QEV VD TYG SSIL SILLE VSP ELV CSML HLC SG-----
FLJ40379 Hs	I THA LER VCS VMP AS IT KECI I LVD T YSP S L VQ LVA-KITPEK VCFIR LCGN RRR-----
SFTPB Hs	LAVA VAQ VCR VVPL VAGG ICQ CLA ERY SVILL D TL GRML PQL VCR L VRC SMD DS-----
Sap-r Dm	I KHT VEN ICA KLP SG VAG QCR NF VEM YGD A VIAL L VQ GLN PRD VC PL M QM CP KNL P-----
PSAP Hs	-----TRL PALT VHV T QPK DGG FCEV CKKL VGY LDRN LEKN
FLJ40379 Hs	-----ARAVHDAYA I VPS PEW DAEN QGS FCNG CKR LL TV S SHN L ESK
SFTPB Hs	-----AGPR SP-----TGEWL PRD SECH LCMS VTT QAG-----N
Sap-r Dm	-----KKED VEV FN P QP AS-----DEQDPPTCPLCLFAVEQA QM KIRD N

Fig. 3G

PSAP Hs	STKQEILAALEKGCSFLPD PYQKQCDQFVAEYE YEPVLIEI LVEVM DPSFVCLKIGACPSAH
FLJ40379 Hs	STKR DILVAFKG GCSILPLPYMIQCKHFVTQ YEPV LIESLKDMM D PAVCKVGACHGPR
SFTPB Hs	SSEQAIPQAM QACVG SWLD-REKCKQFVEQHTPQLLT L VPRGWD A H T TCQALGVCGTMS
Sap-r Dm	KSKDN NIKKV LNGLCSHL PNEIKE EVDFVN TYSN E LI DM LITDF KPQEICVQLKLCPKT T
PSAP Hs	KPLLGT-----
FLJ40379 Hs	TP PLL GT-----
SFTPB Hs	SPLQ-----
Sap-r Dm	YALWDLRISLEDDVDGEDK-----SSSEEISFNDIESLEELPP OLAFDPGFT TAAPNCL I
PSAP Hs	GPSYWCQNTETAAQCNAV EHCKR HVWN-----
FLJ40379 Hs	GPSFWCRS QEA AKLCNAVQHCQKH VW -----
SFTPB Hs	SPDL-----
Sap-r Dm	CEELVK TLEKRMGKHPTRDSIKHILEE SCDRMRKPMNTKCHKV IDKYGD KIADLLL KEMD
PSAP Hs	-----
FLJ40379 Hs	-----
SFTPB Hs	-----
Sap-r Dm	PKL ICTELGM CILAD--LDDLEVDEALKYDVIAL PRODN KLS-----SSIKEPPTCVLCE
PSAP Hs	-----
FLJ40379 Hs	-----
SFTPB Hs	-----
Sap-r Dm	FIMTKLDADLK NKTEQDDIKRAIEAVCNRLPATVR KQCDTFVDGYASAVL KLLSDVPP KQ
PSAP Hs	-----
FLJ40379 Hs	-----
SFTPB Hs	-----
Sap-r Dm	VCQKLQLCFS AVTD -----EVLECGVCHGVTQ ALLPFLREKKDN VSEVTALQMTSVGCE
PSAP Hs	-----
FLJ40379 Hs	-----
SFTPB Hs	-----
Sap-r Dm	NLPAKYYKICSEMISIYGSS SIKNLAKRPYIDQSHICA EIGKCFESEKSSLAFARISA

Fig. 3G (continued)

Fig. 4**Fig. 4A****Fig. 4B**

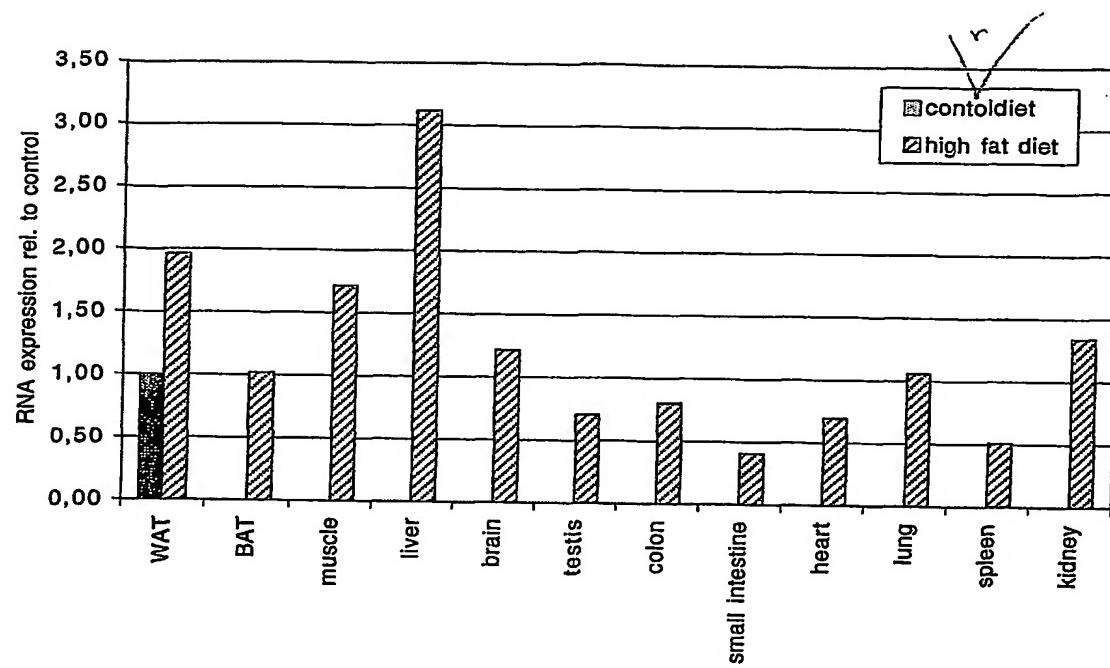


Fig. 4C

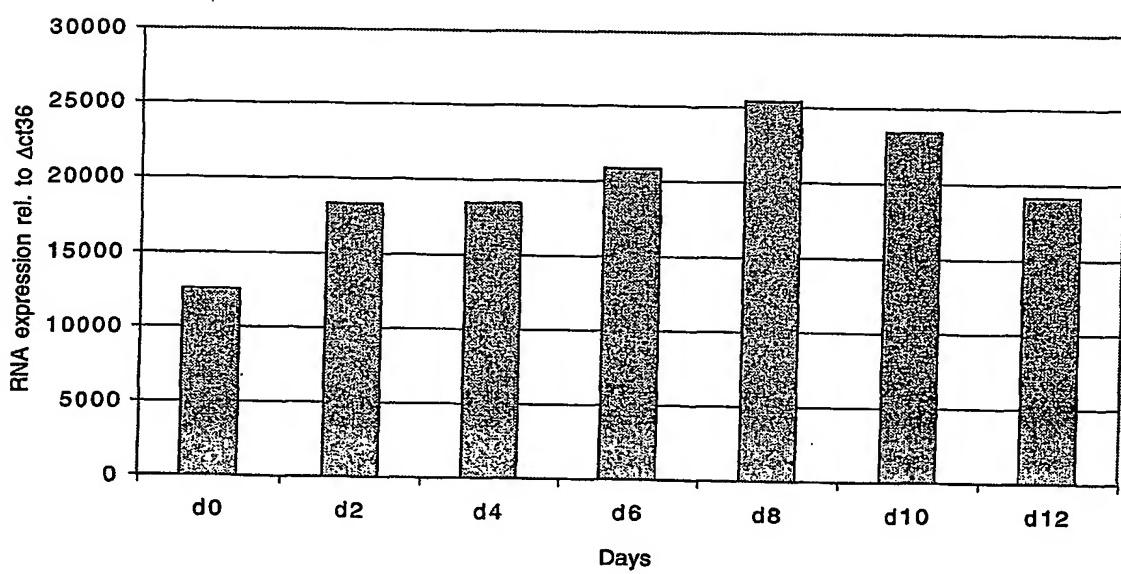


Fig. 4D

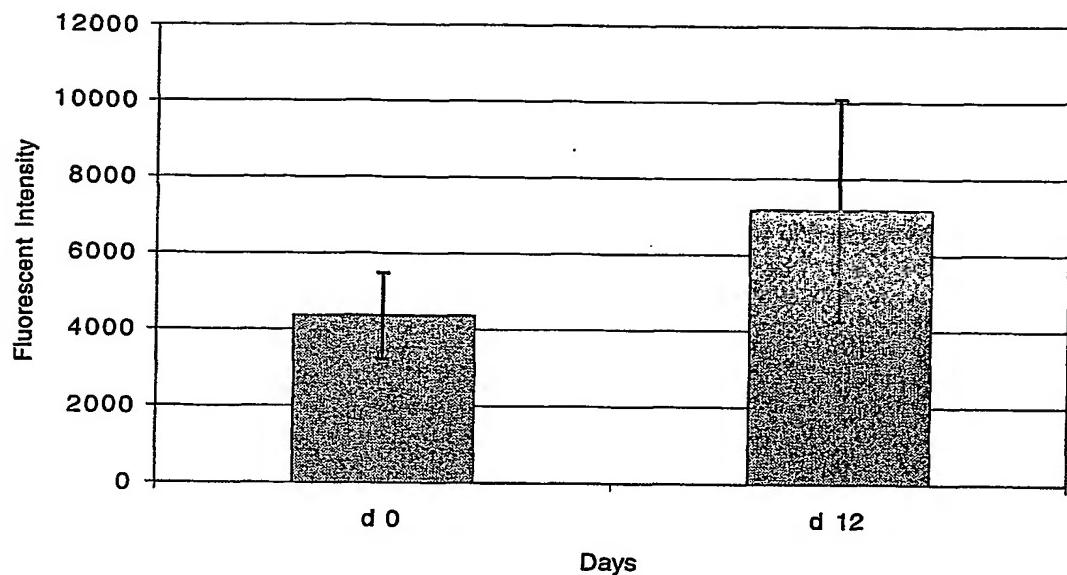
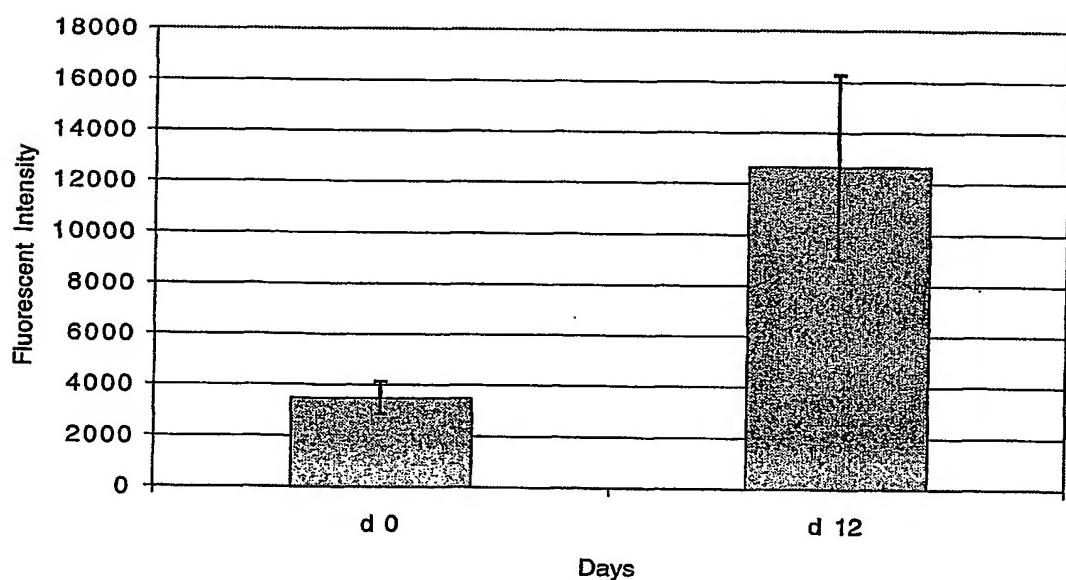
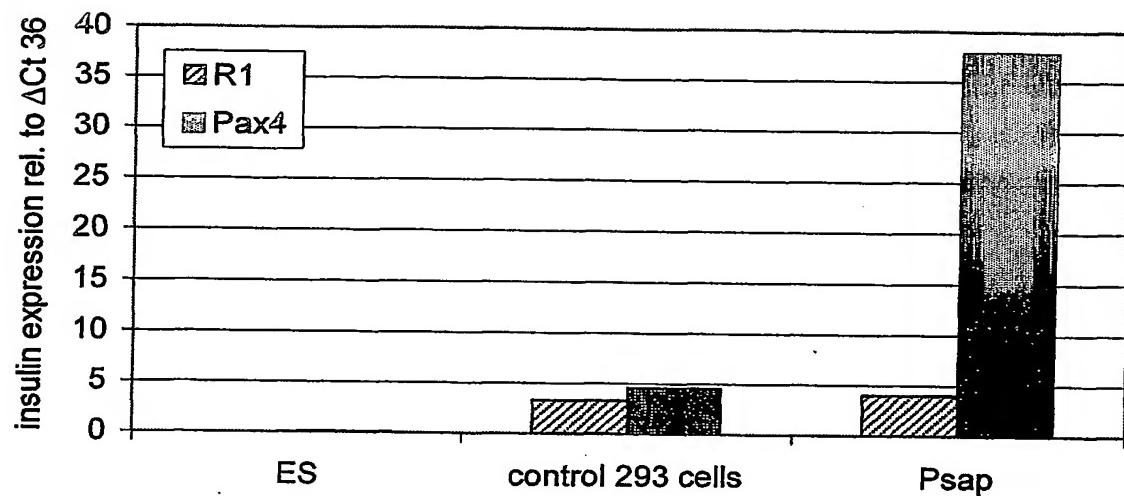
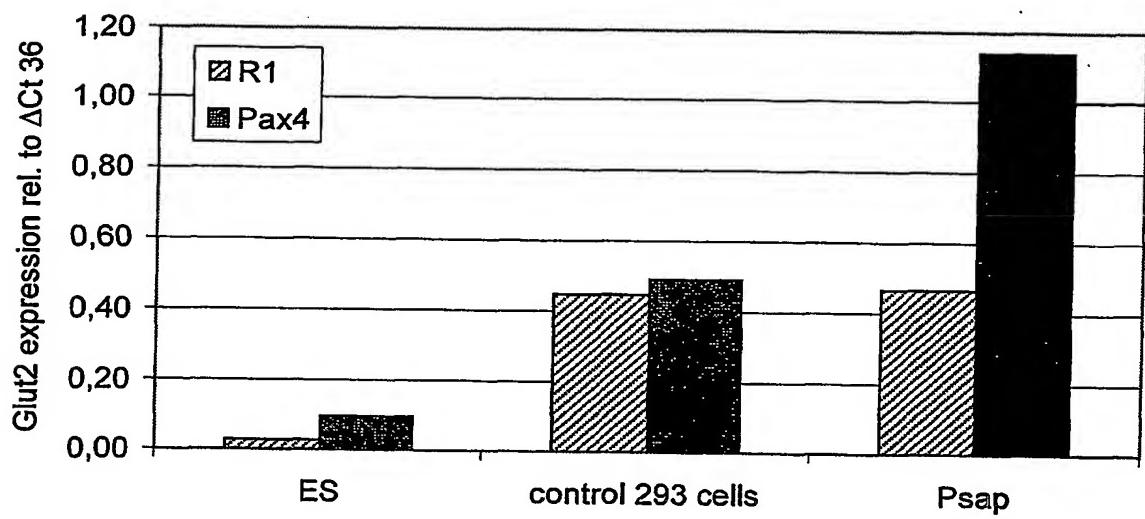
Fig. 5**Fig. 5A****Figure 5B**

Fig. 6**Fig. 6A****Fig. 6B**